

# INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/50976

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16D11/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 382 495 A (FLEITAS ARTHUR M) 10 May 1983 (1983-05-10) column 8, line 51 - column 9, line 25; figure 3	1
A	EP 0 947 733 A (PORTA SRL) 6 October 1999 (1999-10-06) paragraph '0018!; figures	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

19 March 2004

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06/04/2004

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4382495	A	10-05-1983	US 4369868 A	25-01-1983
			CA 1188641 A1	11-06-1985
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			CA 2261361 A1	02-10-1999
			EP 0947733 A2	06-10-1999
			US 6053075 A	25-04-2000